

**CONFIDENTIAL**

9 March 1970

**MEMORANDUM FOR THE RECORD:**

**SUBJECT:** A. Computer Display  
B. Synthetic Membrane

**REFERENCE:** "Engineers Week" 26 thru 28 February 1970  
at George Washington University.

1. While attending the displays at the reference, the following exhibits were of great interest to the undersigned.

a. Computer Display. This display consisted of five separate cases each with magnifying glasses in the cases.

1. The first case exhibited many black chips on a white background with many transistor chips seen through magnifying glasses.
2. The second case was a diagram of printed wires connecting the chips.
3. The third case displayed the printed circuits and indicated a certain program.
4. The fourth case displayed the magnetic doughnuts which were the memory units.
5. The fifth and last case displayed the memory units as magnetic storage units.

b. Synthetic Membrane. This membrane is silicone film 1/1000 of an inch thick that is completely free of holes. The display showed a bird cage completely covered by this membrane under water with a live parakeet fluttering around in the cage. The membrane allows oxygen from sea water (sea water has more oxygen in it than fresh water) to penetrate and at the same time dispels the carbon dioxide into the sea water.

2. The attached newsclipping is of further interest due to the use of lead-acid batteries.

Logistics Officer

Building Planning Staff, OL

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